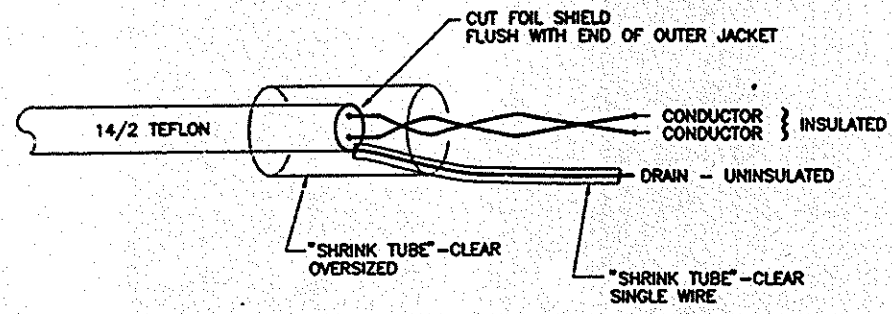


REVISION No. 5



DETAIL "A" - TYPICAL SHIELD/RAIN INSULATING METHOD

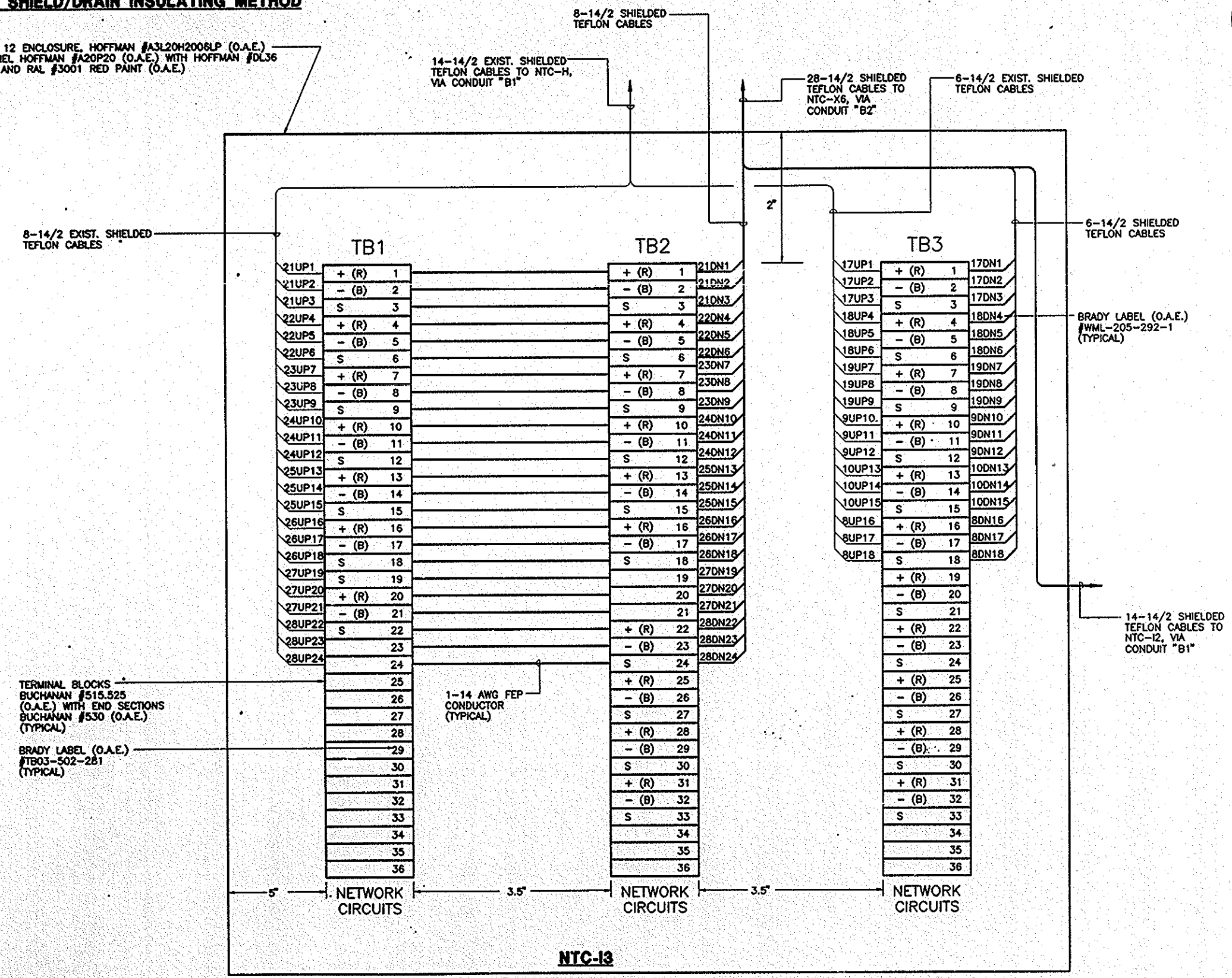
20"x20"x6" NEMA 12 ENCLOSURE, HOFFMAN #A3L20H2006LP (O.A.E.) WITH 17"x17" PANEL HOFFMAN #A20P20 (O.A.E.) WITH HOFFMAN #DL36 KEYLOCK (O.A.E.) AND RAL #3001 RED PAINT (O.A.E.)

NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG'S E-1 AND E-2.
2. ALL SHIELDS SHALL BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE DETAIL "A" (ON THIS DWG).
3. CONTRACTOR SHALL TERMINATE, TEST AND MAKE FINAL CONNECTION IN NTC-13.
4. FOR NTC-13 ENCLOSURE LOCATION, SEE DWG E-6.

LEGEND

- 21UP5
21DN5
- #14 AWG CONDUCTORS AND DRAINS
21 - INDICATES PAIR NUMBER
S - INDICATES SPARE PAIR
UP - INDICATES WIRE RUN TO UPPER FLOOR
DN - INDICATES WIRE RUN TO LOWER FLOOR
5 - INDICATES TERMINAL BLOCK NUMBER
- TB2 - TERMINAL BLOCK #2
- (+) INDICATES POSITIVE POLARITY
(-) INDICATES NEGATIVE POLARITY
(R) INDICATES RED WIRE
(B) INDICATES BLACK WIRE
(S) INDICATES SHIELD/DRAIN WIRE
2 INDICATES TERMINAL BLOCK POINT NUMBER
- + (R) 2



TERMINAL BLOCKS -
BUCHANAN #515.525
(O.A.E.) WITH END SECTIONS
BUCHANAN #530 (O.A.E.)
(TYPICAL)

BRADY LABEL (O.A.E.)
#TB03-502-281
(TYPICAL)

1-14 AWG FEP
CONDUCTOR
(TYPICAL)

BRADY LABEL (O.A.E.)
#WML-205-292-1
(TYPICAL)

NTC-13

B1 LEVEL

I HEREBY CERTIFY THAT THIS IS A TRUE AND
CORRECT COPY OF ONE OF THE CONTRACT
DRAWINGS CONSTITUTING A PART OF
CONTRACT NO. 87C-861.571 IN
THE FORM IN WHICH SAID DRAWINGS
EXISTED AT THE TIME THE SAID CONTRACT
WAS EXECUTED BY THE PARTIES.

DATE 12/17/99
DATE 12/20/99
CONTRACT ENGR/ARCH.
ENGINEERING PROGRAM MGR.

THE PORT AUTHORITY
OF NEW YORK
AND NEW JERSEY

ENGINEERING PROGRAM MANAGER
WORLD TRADE
CENTER
CHIEF ELECTRICAL ENGINEER

No.	Date	Revision	Drawn
ENGINEERING DEPARTMENT			
WORLD TRADE CENTER			

ELECTRICAL
Title
FIRE ALARM SYSTEM
PHASE III
5 WTC MER'S, EMR'S
AND SUBSTATIONS

NTC-13
BLOCK WIRING
DIAGRAM

This drawing subject to conditions in Contract. All
inventions, ideas, designs and methods herein are
reserved to Port Authority and may not be used
without its written consent.

FELDSTEIN ROYZMAN
Designed by Drawn by

5-17-99
Date

WTC-861.571 E-15
Contract Number Drawing Number